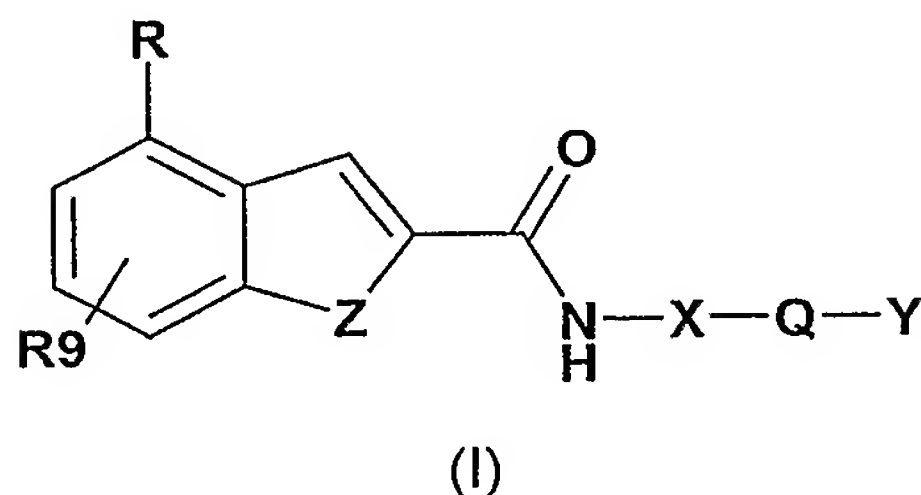


Claims

1. A compound of formula (I), or a pharmaceutically acceptable salt, ester or prodrug thereof:



Wherein:

Z is CR₁R₂, NR₃, O or S;

R is selected from the group consisting of hydroxy, an optionally substituted C₁-C₇ alkoxy, C₂-C₇ alkenoxy, cycloalkyloxy, aryloxy, heteroaryloxy, aryl- C₁-C₇ alkoxy or heteroaryl- C₁-C₇ alkoxy, an optionally substituted C₁-C₇ alkyl or C₂-C₇ alkenyl, an optionally substituted aryl, heteroaryl or an optionally substituted aryl- C₁-C₇ alkyl group;

R₉ represents one or more ring substituents selected from the group consisting of H, hydroxy, an optionally substituted C₁-C₇ alkoxy, C₂-C₇ alkenoxy, cycloalkyloxy, aryloxy, heteroaryloxy, aryl- C₁-C₇ alkoxy or heteroaryl- C₁-C₇ alkoxy, an optionally substituted C₁-C₇ alkyl or C₂-C₇ alkenyl, an optionally substituted aryl, heteroaryl or an optionally substituted aryl- C₁-C₇ alkyl group;

R₁, R₂, and R₃ are independently selected from the group consisting of H and C₁-C₇ alkyl;

X is a C₃-C₁₈ cycloalkyl, heterocycloalkyl, aryl or heteroaryl each of which may be optionally substituted;

Q is a linker of between 1 and 3 atoms in length;

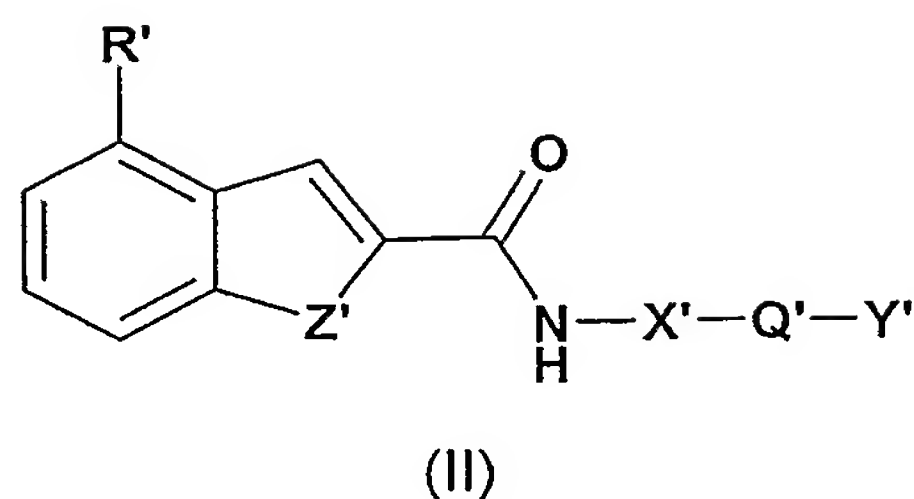
Y is C₃-C₁₈ cycloalkyl, heterocycloalkyl, bridged cycloalkyl, bridged heterocycloalkyl, aryl, heteroaryl, fused aryl-heterocycloalkyl, all of which are independently optionally substituted once or more;

the optional substituent or substituents on R and R⁹ being independently selected from the group consisting of halogen, hydroxy, C₁-C₇ alkyl, mono or di- C₁-C₇ alkylamino, aminocarbonyl, mono or di- C₁-C₇ alkylaminocarbonyl, amino, carboxy, C₁-C₇ alkoxy, C₃-C₁₂ cycloalkyl, C₃-C₁₈ heterocycloalkyl, C₁-C₇ alkylcarbonyl, C₁-C₇ alkoxycarbonyl, nitryl, aryl; all of which, except halogen, are independently optionally substituted by one or more substituents, selected from the group consisting of halogen, hydroxyl, C₁-C₇ alkyl, mono or di- C₁-C₇ alkylamino, aminocarbonyl, mono or di- C₁-C₇ alkylaminocarbonyl, amino, carboxy, C₁-C₇ alkoxy, C₃-C₁₂ cycloalkyl, C₃-C₁₈ heterocycloalkyl, C₁-C₇ alkylcarbonyl, C₁-C₇ alkoxycarbonyl, nitryl, aryl;

the optional substituent or substituents on X being independently selected from the group consisting of halogen, hydroxyl, C₁-C₇ alkyl, mono or di- C₁-C₇ alkylamino, aminocarbonyl, mono or di- C₁-C₇ alkylaminocarbonyl, amino, carboxy, C₁-C₇ alkoxy, C₃-C₁₂ cycloalkyl, C₃-C₁₈ heterocycloalkyl, C₁-C₇ alkylcarbonyl, C₁-C₇ alkoxycarbonyl, nitryl, aryl; all of which, except halogen, are independently optionally substituted by one or more substituents, selected from the group consisting of halogen, hydroxyl, C₁-C₇ alkyl, mono or di- C₁-C₇ alkylamino, aminocarbonyl, mono or di-lower alkylaminocarbonyl, amino, carboxy, C₁-C₇ alkoxy, C₃-C₁₂ cycloalkyl, C₃-C₁₈ heterocycloalkyl, C₁-C₇ alkylcarbonyl, C₁-C₇ alkoxycarbonyl, nitryl, aryl;

the optional substituent or substituents on Y being independently selected from the group consisting of halogen, hydroxyl, C₁-C₇ alkyl, mono or di- C₁-C₇ alkylamino, aminocarbonyl, mono or di- C₁-C₇ alkylaminocarbonyl, amino, carboxy, C₁-C₇ alkoxy, C₃-C₁₂ cycloalkyl, C₃-C₁₈ heterocycloalkyl, C₁-C₇ alkylcarbonyl, C₁-C₇ alkoxycarbonyl, nitryl, aryl; all of which, except halogen, are independently optionally substituted by one or more substituents, selected from the group consisting of halogen, hydroxyl, C₁-C₇ alkyl, mono or di- C₁-C₇ alkylamino, aminocarbonyl, mono or di- C₁-C₇ alkylaminocarbonyl, amino, carboxy, C₁-C₇ alkoxy, C₃-C₁₂ cycloalkyl, C₃-C₁₈ heterocycloalkyl, C₁-C₇ alkylcarbonyl, C₁-C₇ alkoxycarbonyl, nitryl, aryl.

2. A compound of formula (II), or a pharmaceutically acceptable salt, ester or prodrug thereof:

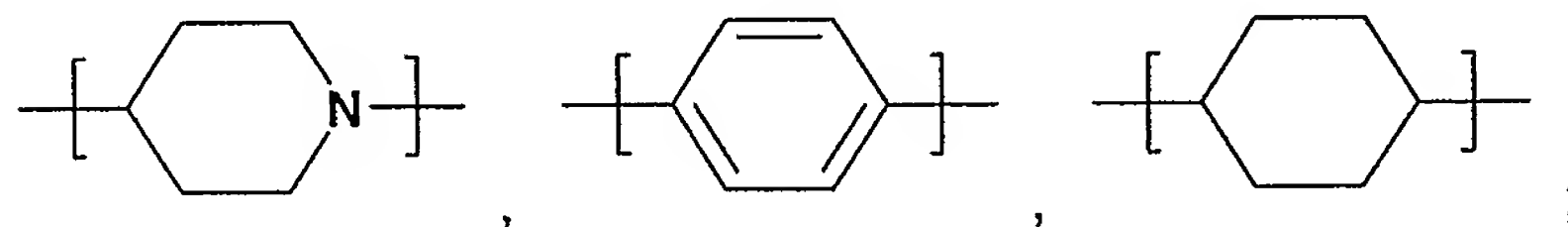


wherein:

Z' is NH, NCH₃, CH₂, S or O;

R' is hydroxy, an optionally substituted C₁-C₇ alkoxy, C₂-C₇ alkenyloxy, cycloalkyl- C₁-C₇ alkyloxy, aryloxy, heteroaryloxy, heteroaryl- C₁-C₇ alkyloxy or aryl- C₁-C₇ alkyloxy, an optionally substituted aryl, heteroaryl or an optionally substituted aryl- C₁-C₇ alkyl group;

X' is selected from the group consisting of:



Q' is selected from the group consisting of: -CH₂-, -CH₂-CH₂-, -CH₂-CH₂-CH₂-, -CH(CH₃)-CH₂-, -CH₂-CH(CH₃)-, -CH₂-NH-, -CH(CH₃)-NH-, -CH₂-N(CH₃)-, -CH₂-CH(CH₂OH)- or -CH(CH₃)-NH(CH₃)-;

Y' is selected from the group consisting of: C₃-C₁₈ cycloalkyl, heterocycloalkyl, bridged cycloalkyl, bridged heterocycloalkyl, aryl, heteroaryl, fused aryl-heterocycloalkyl, all of which are independently optionally substituted once or more;

the optional substituent or substituents on R' being independently selected from the group consisting of halogen, hydroxy, C₁-C₇ alkyl, mono or di- C₁-C₇ alkylamino, aminocarbonyl, mono or di- C₁-C₇ alkylaminocarbonyl, amino, carboxy, C₁-C₇ alkoxy, C₃-C₁₂ cycloalkyl, C₃-C₁₈ heterocycloalkyl, C₁-C₇ alkylcarbonyl, C₁-C₇ alkoxycarbonyl, nitril, aryl; all of which, except halogen, are independently optionally substituted by one or more substituents, selected from the group consisting of halogen, hydroxyl, C₁-C₇ alkyl, mono or di-C₁-C₇ alkylamino, aminocarbonyl, mono or di-lower alkylaminocarbonyl, amino, carboxy, C₁-C₇

alkoxy, C₃-C₁₂ cycloalkyl, C₃-C₁₈ heterocycloalkyl, C₁-C₇ alkylcarbonyl, C₁-C₇ alkoxy carbonyl, nitril, aryl;

the optional substituent or substituents on Y' being independently selected from the group consisting of halogen, hydroxyl, C₁-C₇ alkyl, mono or di- C₁-C₇ alkylamino, aminocarbonyl, mono or di- C₁-C₇ alkylaminocarbonyl, amino, carboxy, C₁-C₇ alkoxy, C₃-C₁₂ cycloalkyl, C₃-C₁₈ heterocycloalkyl, C₁-C₇ alkylcarbonyl, C₁-C₇ alkoxy carbonyl, nitril, aryl; all of which, except halogen, are independently optionally substituted by one or more substituents, selected from the group consisting of halogen, hydroxyl, C₁-C₇ alkyl, mono or di- C₁-C₇ alkylamino, aminocarbonyl, mono or di- C₁-C₇ alkylaminocarbonyl, amino, carboxy, C₁-C₇ alkoxy, C₃-C₁₂ cycloalkyl, C₃-C₁₈ heterocycloalkyl, C₁-C₇ alkylcarbonyl, C₁-C₇ alkoxy carbonyl, nitril, aryl.

3. A compound according to any one of the preceding claims selected from:

4-Methoxy-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-Isopropoxy-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-Isopropoxy-1H-indole-2-carboxylic acid {1-[2-(4-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-Cyclopropylmethoxy-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-Cyclopropylmethoxy-1H-indole-2-carboxylic acid {1-[2-(4-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-Cyclopropylmethoxy-1H-indole-2-carboxylic acid {1-[(S)-2-(4-hydroxy-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide

4-Cyclopropylmethoxy-1H-indole-2-carboxylic acid {1-[(S)-2-((3S,4S)-4-hydroxy-3-methyl-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide

4-Isobutoxy-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-Isobutoxy-1H-indole-2-carboxylic acid [1-(2-piperidin-1-yl-ethyl)-piperidin-4-yl]-amide

4-Isobutoxy-1H-indole-2-carboxylic acid {1-[2-(RS)-2-methyl-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-Isobutoxy-1H-indole-2-carboxylic acid {1-[2-(4-methyl-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-Isobutoxy-1H-indole-2-carboxylic acid {1-[2-((2S,6R)-2,6-dimethyl-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-Isobutoxy-1H-indole-2-carboxylic acid {1-[2-((R)-3-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-Isobutoxy-1H-indole-2-carboxylic acid {1-[2-((S)-3-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-Isobutoxy-1H-indole-2-carboxylic acid {1-[2-(4-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-Isobutoxy-1H-indole-2-carboxylic acid {1-[2-((1R,3S,5S)-3-hydroxy-8-aza-bicyclo[3.2.1]oct-8-yl)-ethyl]-piperidin-4-yl}-amide

4-Isobutoxy-1H-indole-2-carboxylic acid {1-[(S)-2-(4-hydroxy-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide

4-Isobutoxy-1H-indole-2-carboxylic acid [4-(2-azepan-1-yl-ethyl)-phenyl]-amide

4-Isobutoxy-1H-indole-2-carboxylic acid (4-{[methyl-(tetrahydro-pyran-4-yl)-amino]-methyl}-cyclohexyl)-amide

4-Isobutoxy-1H-indole-2-carboxylic acid (4-{[methyl-(tetrahydro-pyran-4-yl)-amino]-methyl}-phenyl)-amide

4-Isobutoxy-1H-indole-2-carboxylic acid (4-{(R)-1-[methyl-(tetrahydro-pyran-4-yl)-amino]-ethyl}-phenyl)-amide

4-Cyclobutylmethoxy-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-Cyclobutylmethoxy-1H-indole-2-carboxylic acid {1-[2-(3-(R)-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-Cyclobutylmethoxy-1H-indole-2-carboxylic acid {1-[2-(4-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-Cyclobutylmethoxy-1H-indole-2-carboxylic acid {1-[2-((3S,4S)-4-hydroxy-3-methyl-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-Cyclobutylmethoxy-1H-indole-2-carboxylic acid {1-[2-((1R,3S,5S)-3-hydroxy-8-azabicyclo[3.2.1]oct-8-yl)-ethyl]-piperidin-4-yl}-amide

4-Cyclobutylmethoxy-1H-indole-2-carboxylic acid {1-[(S)-2-(4-hydroxy-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide

4-Cyclobutylmethoxy-1H-indole-2-carboxylic acid {1-[(S)-2-((3S,4S)-4-hydroxy-3-methyl-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide

4-(3-Methyl-butyloxy)-1H-indole-2-carboxylic acid {1-[2-(4-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide dihydrochloride

4-Cyclopentylmethoxy-1H-indole-2-carboxylic acid {1-[2-(4-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-(1,2-Dimethyl-propoxy)-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-(2,2-Dimethyl-propoxy)-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-(4-Methyl-pentyloxy)-1H-indole-2-carboxylic acid {1-[2-(4-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide dihydrochloride

4-(3,3-Dimethyl-butoxy)-1H-indole-2-carboxylic acid {1-[2-(4-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide dihydrochloride

4-(Furan-2-ylmethoxy)-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-(Furan-3-ylmethoxy)-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-(Furan-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[2-(4-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-(Furan-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[2-((3S,4S)-4-hydroxy-3-methyl-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-(Furan-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(S)-2-(4-hydroxy-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide

4-(Furan-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(S)-2-((3S,4S)-4-hydroxy-3-methyl-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide

4-Benzoyloxy-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-(5-chloro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(1S,9aR)-1-(octahydro-quinolizin-1-yl)methyl]-piperidin-4-yl}-amide dihydrochloride

4-(5-Chloro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-(5-Chloro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[2-(4-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-(5-Chloro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[2-((3S,4S)-4-hydroxy-3-methyl-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-(5-Chloro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(S)-2-(4-hydroxy-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide dihydrochloride

4-(5-Chloro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(S)-2-((3S,4S)-4-hydroxy-3-methyl-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide dihydrochloride

4-(4-Fluoro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(1S,9aR)-1-(octahydro-quinolizin-1-yl)methyl]-piperidin-4-yl}-amide dihydrochloride

4-(4-Fluoro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[2-(4-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide dihydrochloride

4-(Benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(1S,9aR)-1-(octahydro-quinolizin-1-yl)methyl]-piperidin-4-yl}-amide dihydrochloride

4-(Benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[2-(4-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-(Benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[2-((3S,4S)-4-hydroxy-3-methyl-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-(Benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(S)-2-(4-hydroxy-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide

4-(Benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(S)-2-((3S,4S)-4-hydroxy-3-methyl-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide

4-(6-Fluoro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(1S,9aR)-1-(octahydro-quinolizin-1-yl)methyl]-piperidin-4-yl}-amide dihydrochloride

4-(6-Fluoro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[2-(4-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide dihydrochloride

4-(6-Fluoro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[2-((3S,4S)-4-hydroxy-3-methyl-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide dihydrochloride

4-(6-Fluoro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(S)-2-(4-hydroxy-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide dihydrochloride

4-(6-Fluoro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(S)-2-((3S,4S)-4-hydroxy-3-methyl-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide

4-(5-Fluoro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(1S,9aR)-1-(octahydro-quinolizin-1-yl)methyl]-piperidin-4-yl}-amide

4-(5-Fluoro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[2-(4-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide dihydrochloride

4-(5-Fluoro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[2-((3R,4R,5S)-4-hydroxy-3,5-dimethyl-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide dihydrochloride

4-(5-Fluoro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(S)-2-(4-hydroxy-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide dihydrochloride

4-(5-Fluoro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(S)-2-((3S,4S)-4-hydroxy-3-methyl-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide

4-(7-Fluoro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(1S,9aR)-1-(octahydro-quinolizin-1-yl)methyl]-piperidin-4-yl}-amide dihydrochloride

4-(4,6-Difluoro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(1S,9aR)-1-(octahydro-quinolizin-1-yl)methyl]-piperidin-4-yl}-amide dihydrochloride

4-(4,6-Difluoro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[2-(4-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide dihydrochloride

4-(4,6-Difluoro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[2-((3S,4S)-4-hydroxy-3-methyl-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide dihydrochloride

4-(4,6-Difluoro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(S)-2-(4-hydroxy-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide dihydrochloride

4-(4,6-Difluoro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(S)-2-((3S,4S)-4-hydroxy-3-methyl-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide dihydrochloride

4-(7-Chloro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(1S,9aR)-1-(octahydro-quinolizin-1-yl)methyl]-piperidin-4-yl}-amide dihydrochloride

4-(6-Chloro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(1S,9aR)-1-(octahydro-quinolizin-1-yl)methyl]-piperidin-4-yl}-amide dihydrochloride

4-(6-Chloro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[2-(4-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-(6-Chloro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[2-((3S,4S)-4-hydroxy-3-methyl-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-(6-Chloro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(S)-2-(4-hydroxy-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide dihydrochloride

4-(4-Chloro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(1S,9aR)-1-(octahydro-quinolizin-1-yl)methyl]-piperidin-4-yl}-amide dihydrochloride

4-(4-Chloro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[2-(4-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide dihydrochloride

4-(4-Chloro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[2-((3R,4R,5S)-4-hydroxy-3,5-dimethyl-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide dihydrochloride

4-(4-Chloro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(S)-2-(4-hydroxy-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide

4-(7-Methoxy-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(1S,9aR)-1-(octahydro-quinolizin-1-yl)methyl]-piperidin-4-yl}-amide dihydrochloride

4-(7-Methoxy-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid [1-(2-piperidin-1-yl-ethyl)-piperidin-4-yl]-amide

4-(7-Methoxy-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[2-(4-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide dihydrochloride

4-(7-Methoxy-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[2-((3S,4S)-4-hydroxy-3-methyl-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide dihydrochloride

4-(7-Methoxy-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(S)-2-(4-hydroxy-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide dihydrochloride

4-(7-Methoxy-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(S)-2-((3S,4S)-4-hydroxy-3-methyl-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide

4-(6-Methoxy-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(1S,9aR)-1-(octahydro-quinolizin-1-yl)methyl]-piperidin-4-yl}-amide

4-(6-Methoxy-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-(6-Methoxy-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[2-(4-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-(6-Methoxy-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[2-((3S,4S)-4-hydroxy-3-methyl-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide dihydrochloride

4-(6-Methoxy-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(S)-2-(4-hydroxy-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide

4-(6-Methoxy-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(S)-2-((3S,4S)-4-hydroxy-3-methyl-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide

4-(5-Methoxy-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-(5-Methoxy-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[2-(4-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-(4-Methoxy-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(1S,9aR)-1-(octahydro-quinolizin-1-yl)methyl]-piperidin-4-yl}-amide

4-(4-Methoxy-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[2-(4-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-(4-Methoxy-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[2-((3S,4S)-4-hydroxy-3-methyl-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-(4-Methoxy-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(S)-2-(4-hydroxy-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide

4-(4-Methoxy-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(S)-2-((3S,4S)-4-hydroxy-3-methyl-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide

4-(4,6-dimethoxy-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(1S,9aR)-1-(octahydro-quinolizin-1-yl)methyl]-piperidin-4-yl}-amide dihydrochloride

4-(4,6-Dimethoxy-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[2-(4-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-(4,6-Dimethoxy-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[2-((3S,4S)-4-hydroxy-3-methyl-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide dihydrochloride

4-(4,6-Dimethoxy-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(S)-2-(4-hydroxy-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide

4-(4,6-Dimethoxy-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(S)-2-((3S,4S)-4-hydroxy-3-methyl-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide

4-(5,6-dimethyl-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(1S,9aR)-1-(octahydro-quinolizin-1-yl)methyl]-piperidin-4-yl}-amide dihydrochloride

4-(5,6-Dimethyl-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[2-(4-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-(5,6-Dimethyl-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[2-((3S,4S)-4-hydroxy-3-methyl-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide dihydrochloride

4-(5,6-Dimethyl-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(S)-2-(4-hydroxy-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide dihydrochloride

4-(5,6-Dimethyl-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(S)-2-((3S,4S)-4-hydroxy-3-methyl-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide dihydrochloride

4-(4-Ethoxy-phenyl)-1H-indole-2-carboxylic acid {1-[(S)-2-(4-hydroxy-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide

4-(4-Methoxy-phenyl)-1H-indole-2-carboxylic acid {1-[(S)-2-(4-hydroxy-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide

4-Phenoxy-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-m-Tolyloxy-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-m-Tolyloxy-1H-indole-2-carboxylic acid {1-[2-(3-(RS)-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-m-Tolyloxy-1H-indole-2-carboxylic acid {1-[2-(4-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-p-Tolyloxy-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-p-Tolyloxy-1H-indole-2-carboxylic acid {1-[2-(3-(RS)-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-p-Tolyloxy-1H-indole-2-carboxylic acid {1-[2-(4-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-(3-Fluoro-phenoxy)-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-(3-Fluoro-phenoxy)-1H-indole-2-carboxylic acid {1-[2-(4-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-(4-Fluoro-phenoxy)-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-(4-Fluoro-phenoxy)-1H-indole-2-carboxylic acid {1-[2-(4-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-(3,4-Difluoro-phenoxy)-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-(3,5-Difluoro-phenoxy)-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-(3,5-Difluoro-phenoxy)-1H-indole-2-carboxylic acid {1-[2-(3-RS-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-(3,5-Difluoro-phenoxy)-1H-indole-2-carboxylic acid {1-[2-(4-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-(6-Chloro-pyridin-2-yloxy)-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-Isobutoxy-1H-indole-2-carboxylic acid [1-(octahydro-quinolizin-1-ylmethyl)-piperidin-4-yl]-amide dihydrochloride

4-Isobutoxy-1H-indole-2-carboxylic acid [1-(1-methyl-piperidin-3-ylmethyl)-piperidin-4-yl]-amide

4-Cyclobutylmethoxy-1H-indole-2-carboxylic acid {1-[(1S,9aR)-1-(octahydro-quinolizin-1-yl)methyl]-piperidin-4-yl}-amide

4-Cyclobutylmethoxy-1H-indole-2-carboxylic acid {1-[(S)-2-((3R,4R)-4-hydroxy-3-methyl-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide

4-Cyclobutylmethoxy-1H-indole-2-carboxylic acid {1-[(S)-2-((3S,4R,5S)-3,4-dihydroxy-5-methyl-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide

4-Cyclobutylmethoxy-1H-indole-2-carboxylic acid {1-[(R)-3-hydroxy-2-((3S,4S)-4-hydroxy-3-methyl-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide

4-(Furan-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(1S,9aR)-1-(octahydro-quinolizin-1-yl)methyl]-piperidin-4-yl}-amide

4-(Furan-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(S)-2-((3R,4R)-4-hydroxy-3-methyl-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide

4-(2-Methyl-thiazol-4-ylmethoxy)-1H-indole-2-carboxylic acid [1-(octahydro-quinolizin-1-ylmethyl)-piperidin-4-yl]-amide

4-(Benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[2-(3,4-dihydroxy-5-methyl-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide

4-(5-Fluoro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(S)-2-((3RS,4SR)-3,4-dihydroxy-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide

4-(5-Chloro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(S)-2-((3RS,4SR)-3,4-dihydroxy-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide

4-(5-Chloro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(9S,9aS)-1-(octahydro-pyrido[2,1-c][1,4]oxazin-9-yl)methyl]-piperidin-4-yl}-amide

4-(5-Chloro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {1-[(8S,8aS)-1-(hexahydro-pyrrolo[2,1-c][1,4]oxazin-8-yl)methyl]-piperidin-4-yl}-amide

4-(4-Methoxy-phenyl)-1H-indole-2-carboxylic acid {1-[(1S,9aR)-1-(octahydro-quinolizin-1-yl)methyl]-piperidin-4-yl}-amide

4-(4-Ethoxy-phenyl)-1H-indole-2-carboxylic acid {1-[(1S,9aR)-1-(octahydro-quinolizin-1-yl)methyl]-piperidin-4-yl}-amide

4-(6-Methoxy-pyridin-3-yl)-1H-indole-2-carboxylic acid {1-[(S)-2-((3S,4S)-4-hydroxy-3-methyl-piperidin-1-yl)-propyl]-piperidin-4-yl}-amide

4-(6-Methoxy-pyridin-3-yl)-1H-indole-2-carboxylic acid {1-[2-((3S,4S)-4-hydroxy-3-methyl-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-p-Tolyloxy-1H-indole-2-carboxylic acid {1-[(1S,9aR)-1-(octahydro-quinolizin-1-yl)methyl]-piperidin-4-yl}-amide

4-Isobutoxy-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-1S-methyl-ethyl)-piperidin-4-yl]-amide

4-Isobutoxy-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-1R-methyl-ethyl)-piperidin-4-yl]-amide

4-(Furan-3-ylmethoxy)-1H-indole-2-carboxylic acid [1-(2S-azepan-1-yl-propyl)-piperidin-4-yl]-amide

4-(Furan-3-ylmethoxy)-1H-indole-2-carboxylic acid [1-(2R-azepan-1-yl-propyl)-piperidin-4-yl]-amide

4-Isobutoxy-1H-indole-2-carboxylic acid {1-[2-(3,6-dihydro-2H-pyridin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-Isobutoxy-1H-indole-2-carboxylic acid {1-[2-(4-hydroxy-azepan-1-yl)-ethyl]-piperidin-4-yl}-amide

4-Isobutoxy-1H-indole-2-carboxylic acid {1-[2-(3-amino-azepan-1-yl)-ethyl]-piperidin-4-yl}-amide

4-Isobutoxy-1H-indole-2-carboxylic acid {1-[2-(3-fluoro-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-(5-Chloro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid [4-(2-piperidin-1-yl-ethyl)-phenyl]-amide

4-(5-Chloro-benzofuran-3-ylmethoxy)-1H-indole-2-carboxylic acid {4-[2-(4-hydroxy-piperidin-1-yl)-ethyl]-phenyl}-amide

4-Phenyl-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-(4-Trifluoromethyl-phenyl)-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-p-Tolyl-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-(4-Dimethylamino-phenyl)-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-Benzo[1,2,5]oxadiazol-5-yl-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-(4-Methoxy-phenyl)-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-(3-Cyano-phenyl)-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-(4-Ethoxy-phenyl)-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-[3-(3-Methoxy-propoxy)-phenyl]-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-(4-Trifluoromethoxy-phenyl)-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-(2,4-Dimethoxy-phenyl)-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-(3,4-Dimethoxy-phenyl)-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-Benzo[1,3]dioxol-5-yl-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-Pyridin-4-yl-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-(6-Methoxy-pyridin-3-yl)-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-(4-Ethoxy-phenyl)-1H-indole-2-carboxylic acid [1-(2-piperidin-1-yl-ethyl)-piperidin-4-yl]-amide

4-(4-Methoxy-phenyl)-1H-indole-2-carboxylic acid {1-[2-(4-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-(4-Ethoxy-phenyl)-1H-indole-2-carboxylic acid {1-[2-(4-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-(6-Methoxy-pyridin-3-yl)-1H-indole-2-carboxylic acid {1-[2-(4-hydroxy-piperidin-1-yl)-ethyl]-piperidin-4-yl}-amide

4-(4-Methoxy-phenyl)-1H-indole-2-carboxylic acid {1-[2-(3-hydroxy-8-aza-bicyclo[3.2.1]oct-8-yl)-ethyl]-piperidin-4-yl}-amide

4-(6-Methoxy-pyridin-3-yl)-1H-indole-2-carboxylic acid {1-[2-(3-hydroxy-8-aza-bicyclo[3.2.1]oct-8-yl)-ethyl]-piperidin-4-yl}-amide

4-Hydroxy-1H-indole-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

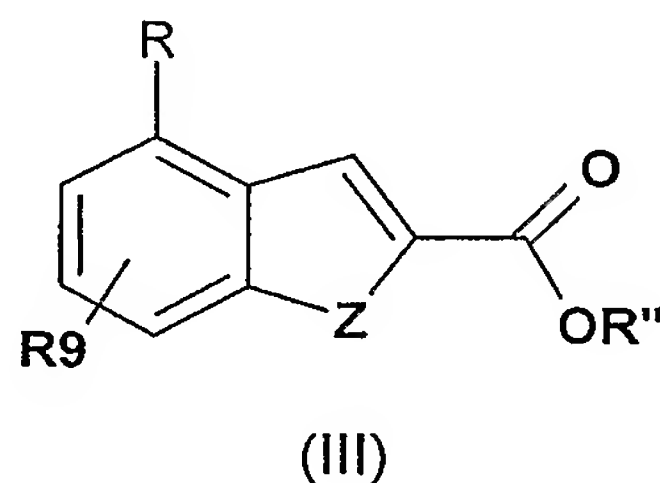
4-Methoxy-benzo[b]thiophene-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-Isobutoxy-benzo[b]thiophene-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4-Isobutoxy-benzo[b]thiophene-2-carboxylic acid [1-(2-piperidin-1-yl-ethyl)-piperidin-4-yl]-amide

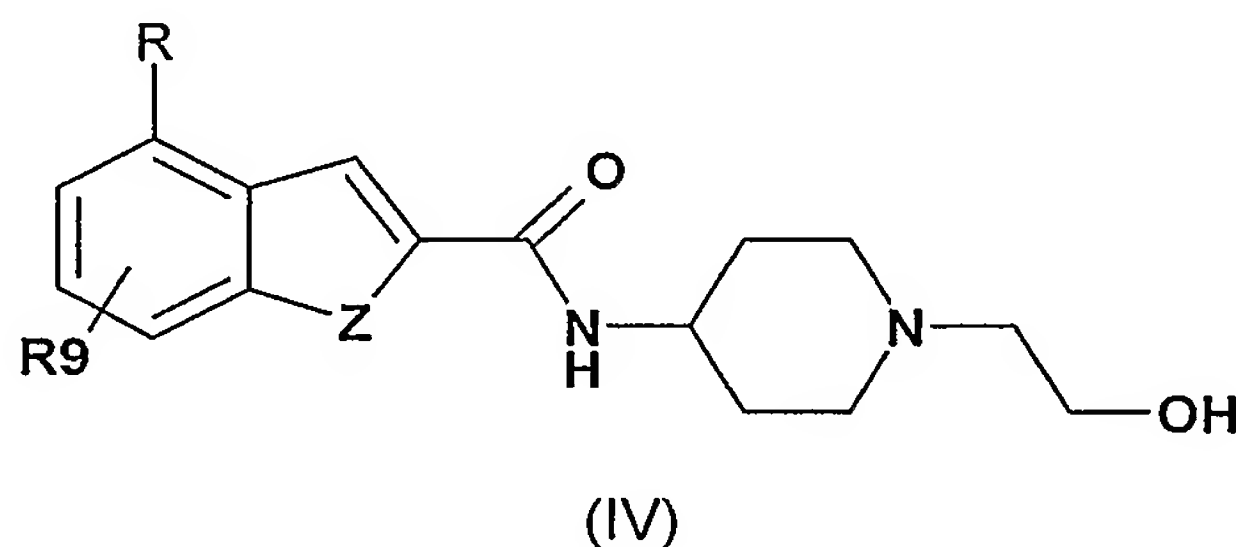
4-Methoxy-benzofuran-2-carboxylic acid [1-(2-azepan-1-yl-ethyl)-piperidin-4-yl]-amide

4. A compound according to any one of the preceding claims for use as a pharmaceutical for the prevention, amelioration or treatment of an autoimmune or inflammatory disease or condition.
5. A compound according to any one the preceding claims 1-3 for use as a pharmaceutical for the prevention, amelioration or treatment of HIV infection or AIDS.
6. A process for the preparation of a compound of formula (I) comprising:
- (a) reacting a compound of formula (III):



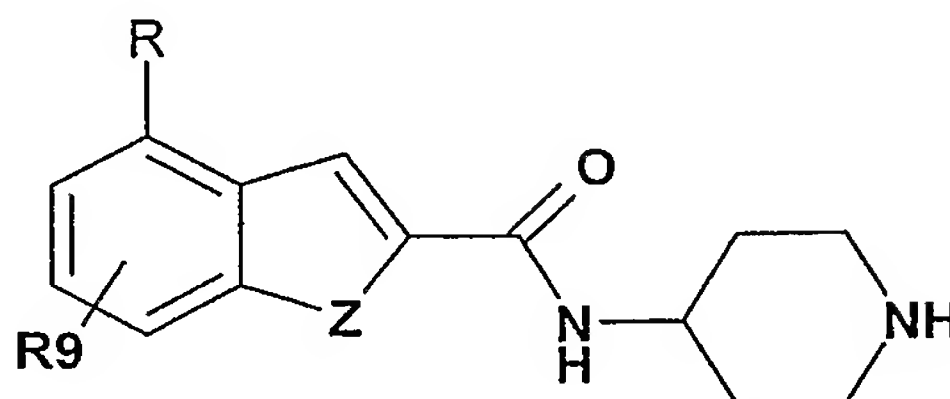
wherein R'' is H or a lower alkyl group, with a compound of formula $\text{NH}_2\text{-X-Q-Y}$, the groups R, R9, Z, X, Q and Y being as defined in claim 1; or

- (b) for the preparation of compounds of formula (I) wherein X is piperidin-4-yl and Q is $-\text{CH}_2\text{-CH}_2-$, and Y is a group having the formula $-\text{NR}_7\text{R}_8$ wherein N, R₇ and R₈ are linked to define collectively a heterocycloalkyl, bridged cycloalkyl, bridged heterocycloalkyl, heteroaryl, or fused aryl-heterocycloalkyl, reacting a compound of formula (IV):



with a compound of formula NHR_7R_8 , wherein R₇ and R₈ are as defined above, and R, R9 and Z are as defined earlier; or

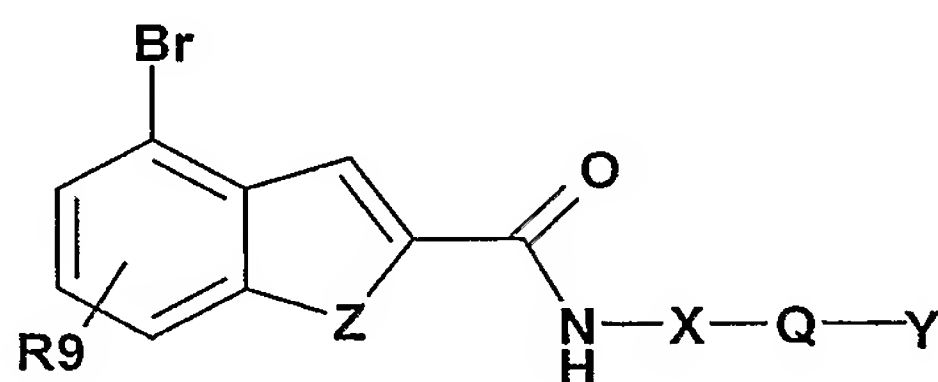
(c) for the preparation of compounds of formula (I) wherein X is piperidin-4-yl and Q is CH_2 -, reacting a compound of formula (V):



(V)

in which R, R9 and Z are as defined above, with a compound of formula $\text{HO-CH}_2\text{-Y}$, in which Y is as defined earlier; or

(d) for the preparation of compounds of formula (I) wherein R is an optionally substituted aryl group, appropriately substituting the Br group in a compound of formula (VI) for said substituted aryl group:



(VI)

wherein Z, R9, X, Q and Y are as earlier defined;

and recovering the resultant compounds of formula (I) in free or salt form.

7. A compound obtainable by the process of claim 5.
8. A pharmaceutical composition comprising a compound according to claim 1 in association with a pharmaceutically acceptable diluent or carrier.
9. Use of a compound according to claim 1 in the manufacture of a medicament for use in the treatment of an autoimmune or inflammatory disease or condition.

10. Use of a compound according to claim 1 in the manufacture of a medicament for use in the treatment of HIV infection or AIDS.
11. A method of inhibiting chemokine receptors or macrophage protein or of reducing inflammation in a subject in need of such treatment, which method comprises administering to said subject an effective amount of a compound according to claim 1.
12. A method of treating an inflammatory or autoimmune disease or condition, comprising administering to said subject an effective amount of a compound according to claim 1.
13. A method of treating HIV infection or AIDS, comprising administering to said subject an effective amount of a compound according to claim 1.
14. Use of a compound according to claim 1 in combination with one or more agents selected from: methotrexate, an anti-TNF agent, an anti-IL-1 agent, a nucleoside or non-nucleoside reverse transcriptase inhibitor, an HIV protease inhibitor, fusion inhibitor and antiretroviral agent for the treatment of an inflammatory or autoimmune disease or condition or HIV or AIDS.